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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,673	05/21/2004	Sadanand V. Deshpande	FIS920040061US1	3672
32074	7590 03/14/2006		EXAMINER	
INTERNA	TIONAL BUSINESS	DANG, PHUC T		
DEPT. 18G		APTINIT	PAPER NUMBER	
BLDG. 300-	482	ART UNIT	PAPER NUMBER	
2070 ROUT	E 52	2818		
HOPEWELI	L JUNCTION, NY 12	DATE MAILED: 03/14/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/709,673	DESHPANDE
Office Action Cammary	Examiner	Art Unit
The MAIL INO DATE of this communication on	PHUC T. DANG	2818
The MAILING DATE of this communication ap Period for Reply	opears on the cover sneet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status	•	
1)⊠ Responsive to communication(s) filed on 21 in 2a) This action is FINAL. 3)⊠ Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 1-30 is/are pending in the applicatio 4a) Of the above claim(s) is/are withdress 5) ☐ Claim(s) 1-30 is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and are subject to restriction and are subject to restriction and are subjected to by the Examination Papers 9) ☐ The specification is objected to by the Examination The drawing(s) filed on 21 May 2004 is/are: a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction is a bis standard but the file.	awn from consideration. /or election requirement. ner. a) □ accepted or b) ☑ objected to e drawing(s) be held in abeyance. Se ection is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the E	Examiliter. Note the attached Office	Action of format 10-132.
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document copies of the priority document copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the priority do	nts have been received. nts have been received in Applicat iority documents have been receiv au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 052104.	4) ☐ Interview Summary Paper No(s)/Mail D 8) 5) ☐ Notice of Informal I 6) ☐ Other:	

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DETAILED ACTION

Oath/Declaration

1. The oath/declaration filed on May 21, 2004 is acceptable.

Specification

This application is in condition for allowance except for the following formal matters:

i) On specification, paragraph [0026], line 8, insert "13" after -- an upper, heavily doped, polysilicon layer --.

Drawings

ii) The FIG. 2 is objected to as failing to comply with 37 CFR 1.84(p) (5) because the do not include the following reference sign(s) 21 mentioned in the description. Correction is required.

Allowable Subject Matter

2. Claims 1-30 are allowed.

The following is a statement of reason for the indication of allowable subject matter:

Claims are considered allowable since the prior art of record and the considered pertinent to the applicant's disclosure does not teach or suggest a step of etching a portion of the semiconductor region exposed by patterned mask in an environment including a polymerizing fluorocarbon, and at least one non-polymerizing substance selected from the group consisting of non-polymerizing fluorocarbons and hydrogenated fluorocarbons as recited in claim 1 a step of etching a portion of the semiconductor region exposed by the patterned mask in an environment including at least one substance selected from the group consisting of chlorine-free fluorocarbons

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having a high ration of carbon to fluorine atoms, and at least one substance selected from the group consisting of fluorocarbons having a low ratio of ratio of carbon to fluorine atoms, and hydrogenated fluorocarbons as recited in claims 14 and 26.

Prosecution on the merit is closed in accordance with the practice under Ex Parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

When responding to the Office action, Applicants' are advice to provide the Examiner with the line numbers and page numbers in the application and/or references cited to assist the Examiner to locate the appropriate paragraphs.

Conclusion

- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuc T. Dang whose telephone number is (571) 272-1776. The examiner can normally be reached on 8:00 am-5:00 pm.
- 4. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms can be reached on (571) 272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular communications and After Final communications.
- 5. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Langohur

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Phuc T. Dang

Primary Examiner

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